



**ENDOCRINOLOGY**

**PAPER – III**

ENDO/D/14/07/III

Time : 3 hours

Max. Marks : 100

**Important instructions:**

- Attempt all questions in order.
- Each question carries 10 marks.
- Read the question carefully and answer to the point neatly and legibly.
- Do not leave any blank pages between two answers.
- Indicate the question number correctly for the answer in the margin space.
- Answer all the parts of a single question together.
- Start the answer to a question on a fresh page or leave adequate space between two answers.
- Draw table/diagrams/flowcharts wherever appropriate.

Write short notes on:

1. Changes in the hypothalamic-pituitary- adrenal in a critically ill patient on mechanical ventilation. 10
2. What are the studies evaluating cardiovascular safety of GLP1 agonist and DPP IV inhibition? What are the predominant conclusions from these trials? 10
3. Name and diagrammatically describe the new agents which are under trial for treatment of osteoporosis. 10
4. Approach to a pituitary incidentaloma. 10
5. Studies involving stem cell therapy for Type 1 diabetes and their long term outcomes. 10
6. Role of FDG – PET and gallium DOTA-NOC/DOTATATE PET in endocrinology. What is the utility of Lutetium tagged DOTA-NOC/DOTATATE therapy for neuroendocrine tumours? 10
7. Management protocol of a patient in myxoedema coma. 10
8. Evaluation and management of a patient with hyponatremia and coma. 10
9. Compare and contrast the findings in ACCORD, ADOPT, VADT, STENO & ORIGIN studies with regards to glycemic control and cardiovascular outcomes. 10
10. Pre and post-transplant evaluation for patients undergoing bone marrow transplant and renal transplant. 10

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